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IL-19, Mouse Recombinant

Catalog No.	CRI029A	**Quantity:**	2 µg
	CRI029B		10 µg
	CRI029C		1 mg

Description: Recombinant Mouse Interleukin-19 is a single, non-glycosylated polypeptide chain containing 152 amino acids.

Source: *E. coli*

Molecular Weight: 17.722 kDa

Formulation: Sterile filtered then lyophilized without additives.

Purity: >95.0% as determined by RP-HPLC and SDS-PAGE analyses.

Endotoxin Level: <0.1 ng/µg of protein.

Biological Activity: The biological activity as determined by measuring the dose-dependent activation of STAT3 in human epidermal keratinocytes (HEK2a cells). Significant STAT3 activation is observed with >100 ng/ml of recombinant mouse IL-19.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids is Met-Leu-Arg-Arg-Cys.

Reconstitution: **Centrifuge vial prior to opening**. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized protein is stable at room temperature for 3 weeks, but it is recommended to store the lyophilized product desiccated at -20°C to -80°C. Upon reconstitution, protein should be stored at 2-4°C for one week and for future use at -20°C to -80°C. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles**.

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